

Chapter 2: Comprehensive Everglades Restoration Plan Regulation Act Projects

Nimmy Jeyakumar and Stuart Van Horn

ANNUAL REPORTS

For the reporting period, annual reports for Comprehensive Everglades Restoration Plan Regulation Act (CERPRA) projects are presented as appendices to this chapter, as follows:

- Appendix 2-1: Annual Permit Report for the Picayune Strand Restoration Project, Phase I – Prairie Canal Backfill and Road Removal Component
- Appendix 2-2: Annual Permit Report for the L-8 Reservoir Project
- Appendix 2-3: Annual Permit Report for the Biscayne Bay Coastal Wetlands – L-31 East Culverts and Deering Estate Flow-way
- Appendix 2-4: Annual Permit Report for the C-111 Spreader Canal Phase I (Western) Project

PERMIT INFORMATION UPDATES

8.5 SMA S-357 PUMP STATION PROJECT INITIAL OPERATIONS AND MAINTENANCE

Florida Department of Environmental Protection (FDEP) Permit 0317442

Permit Title: 8.5 Square Mile Area, S-357 Pump Station

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Original Permit Number: 0317442-001

Permit Modification Numbers (in order of issuance): None

Specific Condition Requiring Annual Report: 15

Original Issue Date: September 20, 2013

Renewal Date: N/A

Expiration Date: September 20, 2018

Reporting Period: May 1, 2013 to April 30, 2014

Report Prepared By: John Shaffer

Status

Operations under this permit did not begin until September 20, 2013, and were limited to the use of the single 75-cubic feet per second electric pump. Full operations were not possible because the diesel pumps lacked United States Environmental Protection Agency mandated Diesel Oxidation Catalysts (DOCs). A full permit report is anticipated for next year (WY2015/SFER2016). Water quality and hydrologic data are being collected as required by Specific Condition 10. Although we did not have a full year of operations (or full operations) the first annual inspection report (per Specific Condition 14) was submitted to the FDEP on February 4, 2014. Water quality and hydrologic data for the project are available upon request.

Problems Encountered

Although all pumps were fully operational when operated under the previous USACE construction authorization, upon transferring the project to operations, new EPA emission standards that became effective in May 2013 require that the diesel pumps remain non-operational until they are retrofitted with Diesel Oxidation Catalysts (DOCs).

Actions to Address Problems

The Notice-to-Proceed for installation of the DOC units is expected in June 2014, and installation of the units is planned for August 2014. Once the units are installed, the South Florida Water Management District (District or SFWMD) will need to perform emissions testing prior to placing the updated diesel pumps back in service.

C-44 RESERVOIR AND STORMWATER TREATMENT AREA

FDEP Permit 0254895

Permit Title: C-44 Reservoir and Stormwater Treatment Area

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Original Permit Number: 0254895-002

Permit Modification Numbers (in order of issuance):

0254895-003 (*Major Modification*)

0254895-004 (*Minor Modification*)

0254895-005 (*Minor Modification*)

0254895-006 (*Major Modification*)

Specific Condition Requiring Annual Report: 34

Original Issue Date: September 27, 2006

Renewal Date: October 24, 2012

Expiration Date: October 24, 2017

Reporting Period: May 1, 2013 to April 30, 2014

Report Prepared By: Leslye Waugh

Status

Construction of the communication tower began in October 2012, and was completed on December 30, 2013. Record drawings and the FDEP's "As-built Certification Form" were submitted on May 16, 2014.

A request for a major modification to include the exchange parcel during construction for borrow source and staging was submitted on February 20, 2014. An amended application was submitted on April 9, 2014, to include drainage enhancements within the exchange parcel.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None were needed.

CALOOSAATCHEE RIVER (C-43) WEST BASIN STORAGE RESERVOIR PROJECT**FDEP Permit 0255243**

Permit Title: C-43 West Storage Reservoir Project: Structures

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Original Permit Number: 0255243-002-GL

Permit Modification Numbers (in order of issuance):

0255243-003-GL

0255243-004-GL (*permit renewal*)

0255243-005-GL (*permit exemption*)

0255243-006-GL (*permit exemption*)

Specific Condition Requiring Annual Report: 17

Original Issue Date: November 9, 2007

Renewal Date: August 30, 2012

Expiration Date: August 30, 2017

Reporting Period: May 1, 2013 to April 30, 2014

Report Prepared By: Laura Reilly

Status

On June 12, 2013, a permit exemption (0255243-006) was issued by the FDEP, allowing temporary storage of Lake Okeechobee water releases, in the event of excessively heavy rainfall, within a 3,500-acre portion in the southwestern corner of the C-43 Reservoir footprint. In March 2014, a request for a 5-year permit to use the parcel for temporary storage was submitted.

Under a state funding effort, design is currently in progress to construct an interim Phase 1 storage project consisting of construction of a levee, pump station, and temporary inflow and discharge facilities to impound one to four feet of water within the same 3,500-acre portion of the

project footprint. Site investigation to identify the location of remnant irrigation and drainage pipes, and have them removed, is expected to begin in July 2014, with full completion of the Phase 1 project in 2016. A permit modification will be obtained from the FDEP for this effort.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None were needed.

SOUTHERN CREW, PHASE 1 PROJECT – BILLY DON GRANT PARCEL**FDEP Permit 0279719**

Permit Title: Phase I Southern Crew Agricultural Field Enhancement – Billy Don Grant Parcel

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Original Permit Number: 0279719-001

Permit Modification Number:
0279719-003 (*permit renewal*)

Specific Condition Requiring Annual Report: 19

Original Issue Date: March 26, 2008

Renewal Date: March 6, 2013

Expiration Date: March 6, 2018

Reporting Period: May 1, 2013 to April 30, 2014

Report Prepared By: Nimmy Jeyakumar and Leslye Waugh

Status

The fourth annual mitigation monitoring event was completed in September 2013, and submitted to the FDEP on December 13, 2013. This is the fourth (out of five) required annual mitigation monitoring reports. The report indicated that native and non-native vegetation coverage had continued to decrease due to herbicide treatments. Exotic vegetation removal was also conducted within the restoration area and monitoring efforts will continue. These reports are available upon request.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None were needed.

TEN MILE CREEK WATER PRESERVE AREA

FDEP Permit 0192879

Permit Title: Ten Mile Creek Water Preserve Area

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Original Permit Number: 0192879-002

Permit Modification Number:
0192879-012 (*permit renewal*)

Specific Condition Requiring Annual Report: 16

Original Issue Date: October 16, 2006

Renewal Date: August 24, 2011

Expiration Date: August 24, 2016

Reporting Period: May 1, 2013 to April 30, 2014

Report Prepared By: Laura Reilly

Status

Operation of the Ten Mile Creek Water Preserve Area by the District is not authorized until the project is officially transferred from the United States Army Corps of Engineers (USACE) to the District.

Problems Encountered

The Ten Mile Creek Water Preserve Area, built by the USACE, is not currently in operation because of embankment and stability issues due to excessive seepage. Because the project is not in operations, an annual report has not been prepared.

Actions to Address Problems

The USACE holds the permit for construction and interim operation of the Ten Mile Creek facility. The USACE undertook a test fill of the reservoir to determine the extent of the levee's seepage problems. Test results demonstrated numerous seepage areas through the levee. Potential remedies have not yet been determined.